



Identification	Type Part-No.	LCIS-WPT3LA-0819-62-S 750819.0000
Description	Input: PT100, 2-wire/3-wire Output: 0–10 V / 0–20 mA / 4–20 mA Insulation: 2.5 kV, 2-way disconnection	
Input	Input variable Temperature sensor PT100 Galvanic isolation I/O 2-way isolation Measuring procedure 2-wire or 3-wire, constant current Temperature range -50 °C–50 °C / -50 °C–100 °C / -50 °C–150 °C / 0 °C–100 °C / 0 °C–150 °C / 0 °C–200 °C / 0 °C–300 °C / 0 °C–400 °C Parameterisation DIP switch S1 Zero /Span Production comparison Input resistance >1 MΩ @ 2-wire, >500 kΩ @ 3-wire Sensor current 0.5 mA Protection device Overvoltage protection	
Output	Output signal 0–10 V, 0–20 mA, 4–20 mA Max. load impedance at I-output 500 Ω Min. load impedance at U-output 2 kΩ	

25.08.2017 – Subject to technical modification

Part-No. 750819.0000

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SYSTEMATIC TECHNOLOGY

Technical data sheet • Interface Technology

Load deviation	at U-output max. 5 mV @ 2 k Ω
Output voltage	< 16 V @ 0–20 mA, 4–20 mA
Output current	max. 5 mA @ 10 V
Residual ripple	<20 mV _{eff}
Parameterisation	DIP switch S1
Protection device	short circuit protection

Operating data

Accuracy	0.3 % FSR @ 23 °C
Linearity error	0.1 % FSR
Rise time (10 - 90%)	approx. 30 ms @ 23 °C
Build-up time (Accuracy 1%)	approx. 60 ms @ 23 °C
Temperature coefficient	150 ppm / K FSR
Critical frequency	10 Hz @ 3 dB / 23 °C
Error coefficient of measuring line	2-conductor: 2.7 K/ Ω , 3-conductor: 0.1 K + 0.1 %/ Ω

General

Rated voltage	AC/DC 24 V
Operation voltage range	AC 19.2–26.4 V / DC 18.0–31.2 V
Rated current	approx. 22 mA @ AC 24 V / approx. 13 mA @ DC 24 V
Status indication	LED green
Rise time (10 - 90%)	approx. 30 ms @ 23 °C
Insulation voltage input / output	2.5 kV _{eff}
Housing material	PA 6.6 (UL 94 V-0, NFF I2, F2)
Colour of the housing	RAL 7012 basalt grey
Mounting	DIN rail mountable TS35 (EN 60715)
Protection class	IP20
Installation position	any
Connection device	Screwed terminal single wire 0.25 mm ² –2.5 mm ² / AWG 20–14 fine stranded wire with ferrule 0.25 mm ² –1.5 mm ² / AWG 20–16
Operation temperature range	–25 °C ... +60 °C
Storage temperature range	–40 °C ... +85 °C
Dimensions (w × h × d)	6.2 × 93.0 × 73.0 mm
Weight	0.030 kg/piece
PU	1 piece
Approvals	cULus in preparation DNV GL in preparation
Standards	EN 60947-5-1

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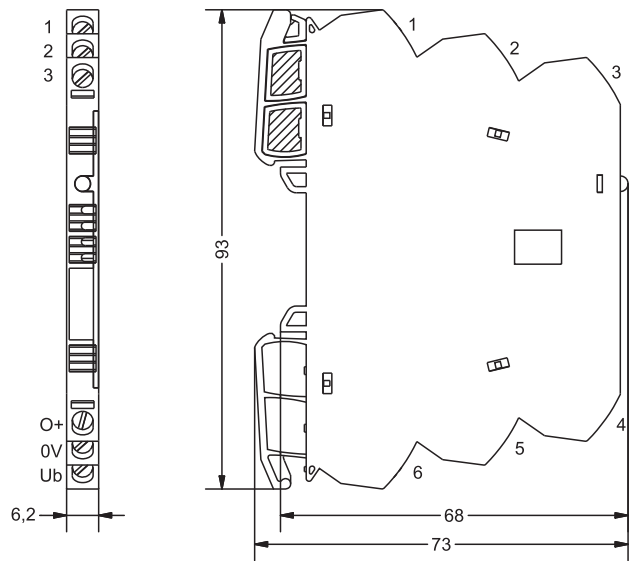
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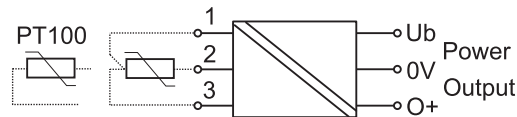


SYSTEMATIC TECHNOLOGY

Dimensions



PIN assignment



Range adjustment

S1	Output
• → Switch On	5/6
0–10V	●
0–20mA	●
4–20mA	● ●

S1	Input
• → Switch On	1/2/3/4
PT100, 3-wire	
PT100, 2-wire	●
-50 – 50°C	
-50 – 100°C	●
-50 – 150°C	● ●
0 – 100°C	● ●
0 – 150°C	● ● ●
0 – 200°C	● ● ●
0 – 300°C	● ● ●
0 – 400°C	● ● ●

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